

**Declaration, Petition and Power of Attorney For Patent Application**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**BISPECIFIC MOLECULES HAVING CLINICAL UTILITIES**

the specification of which

(check one)

   is attached hereto.

   was filed on March 7, 1994 as

Application Serial No. 08/207,344

and was amended on \_\_\_\_\_  
(if applicable)

I do not know and do not believe that the subject matter of this application was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to the date of this application, and that said subject matter has not been patented or made the subject of an issued inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to the date of this application; that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

**PRIORITY CLAIM**

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Check one:

☒ no such applications have been filed.

such applications have been filed as follows

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Country	Application Number	Date of Filing (month,day,year)	Priority Claimed Under 35 USC 119
			_ Yes    No _
			_ Yes    No _
			_ Yes    No _
			_ Yes    No _
			_ Yes    No _

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**


CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier United States application, if any, described below, I do not believe that the same was ever known or used in the United States before my invention thereof or patented or described in any printed publication in any country before my invention thereof or more than one year prior to said earlier application, or in public use or on sale in the United States more than one year prior to said earlier application, that the said common subject matter has not been patented or made the subject of an inventor's certificate issued before the date of said earlier application in any country foreign to the United States on an application, filed by me or my legal representatives or assigns more than twelve months prior to said application and that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented,pending,aband.)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented,pending,aband.)

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

John A. Lahive, Jr.	Reg. No. 19,788	Michael I. Falkoff	Reg. No. 30,833
W. Hugo Liepmann	Reg. No. 20,407	Ann Lamport Hammitte	Reg. No. 34,858
James E. Cockfield	Reg. No. 19,162	John V. Bianco	Reg. No. 36,748
Mark G. Lappin	Reg. No. 26,618	Jeremiah Lynch	Reg. No. 17,425
Thomas V. Smurzynski	Reg. No. 24,798	Amy E. Mandragouras	Reg. No. 36,207
Ralph A. Loren	Reg. No. 29,325	Elizabeth A. Hanley	Reg. No. 33,505
Thomas J. Engellenner	Reg. No. 28,711	Matthew P. Vincent	Reg. No. 36,709
William C. Geary III	Reg. No. 31,359	David F. Crosby	Reg. No. 36,400
David J. Powsner	Reg. No. 31,868	Paul Louis Myers	Reg. No. 35,965
Giulio A. DeConti, Jr.	Reg. No. 31,503	Elizabeth A. Levy	Reg. No. 34,375
Beth E. Arnold	Reg. No. 35,430		

Send Correspondence to:

Beth E. Arnold, Lahive & Cockfield, 60 State Street, Boston, Massachusetts 02109

Direct Telephone Calls to: (name and telephone number)

Beth E. Arnold, (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor, if any Edward D. Ball	
Inventor's signature <i>Edward D Ball</i>	Date 5/4/94
Residence 9977 Parkland Drive, Wexford, PA 15090	
Citizenship United States of America	
Post Office Address (if different)	

Full name of second inventor, if any Michael W. Fanger	
Inventor's signature <i>Michael W Fanger</i>	Date May 6, 1994
Residence West View Lane, Box 421, Lebanon, New Hampshire 03766	
Citizenship United States of America	
Post Office Address (if different)	

Applicant or Patentee: Ball, E. D. /s/ [Redacted]  
 Serial or Patent No.: 08/207,344 [Redacted] MXI-026  
 Filed or Issued: March 7, 1994  
 Title: Bispecific Molecules Having Clinical Utilities

Serial or Patent No.: 08/207,344

Filed or Issued: March 7, 19

**Title:** Bispecific Molecules Having Clinical Utilities

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) and 1.27(c)) - SMALL BUSINESS CONCERN**

**I hereby declare that I am**

☒ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS CONCERN Medarex, Inc.  
ADDRESS OF SMALL BUSINESS CONCERN 22 Chambers Street  
Princeton, N.J.  
08542

ADDRESS OF SMALL BUSINESS CONCERN 22 Chambers Street

Princeton, N.J.

**08542**

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

**I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:**

- ☐ the specification filed herewith with title as listed above.  
☒ the application identified above.  
☐ the patent identified above.

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights in the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
☐ INDIVIDUAL      ☐ SMALL BUSINESS CONCERN      ☐ NONPROFIT ORGANIZATION

☐ INDIVIDUAL      ☐ SMALL BUSINESS CONCERN      ☐ NONPROFIT ORGANIZATION

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
☐ INDIVIDUAL      ☐ SMALL BUSINESS CONCERN      ☐ NONPROFIT ORGANIZATION

☐ INDIVIDUAL      ☐ SMALL BUSINESS CONCERN      ☐ NONPROFIT ORGANIZATION

**I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING ~~XXXXXXXXXXXX~~ Yashwant M. Deo, Ph.D.

**TITLE OF PERSON OTHER THAN OWNER** Vice President of Operations

TITLE OF PERSON OTHER THAN OWNER Vice President of Operations  
ADDRESS OF PERSON SIGNING 1545 Route 22 East  
P.O. Box 992 - Annandale, NJ

SIGNATURE [Signature] DATE May 6, 1994

0880



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

AUGUST 02, 1996

PTAS

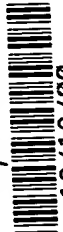
LAHIVE & COCKFIELD  
JANE E. REMILLARD  
60 STATE STREET  
SUITE 510  
BOSTON, MA 02109



\*100192712A\*

jc869 U.S. PTO

09/735173



12/12/00

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/10/1996

REEL/FRAME: 7932/0509  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
BALL, EDWARD D.

DOC DATE: 05/01/1996

ASSIGNOR:  
FANGER, MICHAEL W.

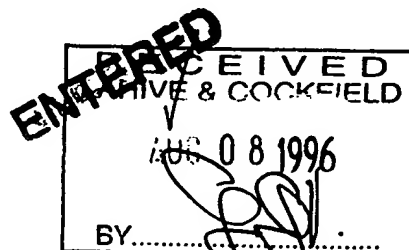
DOC DATE: 05/01/1996

ASSIGNEE:  
MEDAREX, INC.  
1545 ROUTE 22 EAST  
ANNANDALE, NEW JERSEY 08801-0992

SERIAL NUMBER: 08207344  
PATENT NUMBER:

FILING DATE: 03/07/1994  
ISSUE DATE:

TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



05-14-1996



100192712

## CORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

## PATENTS ONLY

RECEIVED

MAY 10 1996

Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Edward D. Ball  
Michael W. FangerAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: May 1, 1996

## 2. Name and address of receiving party(ies)

Name: Medarex, Inc.

Internal Address: \_\_\_\_\_

Street Address: 1545 Route 22 EastCity: Annandale State: New JerseyZIP: 08801-0992Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)  
08/207,344

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Beth E. ArnoldInternal Address: Lahive & CockfieldSuite 510Street Address: 60 State StreetCity: Boston State: MA ZIP: 02109

## 6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41).....\$ 40☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

12-0080

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jane E. Remillard

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document:

3

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents and Trademarks, Box Assignments  
 Washington, D.C. 20231



**ASSIGNMENT**

We, Edward D. Ball of Wexford, PA and Michael W. Fanger of Lebanon, N.H., in consideration of One Dollar and other valuable consideration paid to us by

MEDAREX, INC.

a corporation of New Jersey, having its principal place of business at 1545 Route 22 East, Annandale, New Jersey 08801-0992, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

MEDAREX, INC.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

**BISPECIFIC MOLECULES HAVING CLINICAL UTILITY**

described in an application

\_\_\_\_\_ executed by us of even date herewith and about to be filed

X Serial No. 08/207,344, filed on March 7, 1994

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

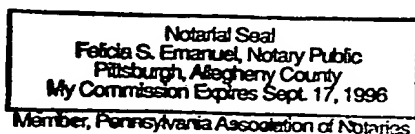
And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 1 day of May, 1996.

By: Edward D. Ball  
Edward D. Ball

State of Pennsylvania            )  
  )ss  
County of Allegheny        )

Then personally appeared the above named Edward D. Ball and acknowledged the foregoing instrument to be his free act and deed, before me, this 1 day of May, 1996



Fecilia S. Emanuel  
Notary Public

My commission expires: \_\_\_\_\_

WITNESS my hand and seal this 1st day of May, 1995.

By: *Michael W. Fanger*  
Michael W. Fanger

State of New Hampshire     )  
  )ss  
County of Grafton     )

Then personally appeared the above named Michael W. Fanger and acknowledged the foregoing instrument to be his free act and deed, before me, this 1 day of May, 1995.

*May A. Diamond*  
~~Notary Public~~ Justice of the Peace

My commission expires: 3/01